

DAILY FIELD ACTIVITY REPORT

PROJECT NAME: Pre-Remedial Design Investigation and Baseline Sampling, Portland Harbor Superfund Site

DATE: March 30, 2018	WEATHER: Mostly Cloudy, high ~55 degrees F
Personnel and Visitors Onsite: Research vessel Tieton - CDM Smith: Jason Silvertooth; AECOM/Geosyntec: David Hose, Cary Kindberg, Allison Clements, Robert Schomp; Gravity Marine: Rene Trudeau, Shawn Hinz Research vessel Cayuse: CDM Smith: Andy Greazel; Geosyntec: Erin Dunbar AECOM: Nicky Moody; Gravity: Mike Duffield and Jeff Wilson	
Planned Activity: <ul style="list-style-type: none">Comprehensive tailgate safety meeting and vessel orientation for first day of surface sediment sampling.Collect surface sediment samples at stratified random locations near River Mile 2, near shore.	
Activity Completed: <p>Research Vessel Tieton</p> <p>Jason Silvertooth performed oversight of surface sediment sampling on the Willamette River from 07:45 to 18:30. Specific activities completed by the AECOM/Geosyntec team, with vessel support from Gravity Marine, are as follows:</p> <ul style="list-style-type: none">Gravity collected a GPS coordinate (before CDM Smith arrives) at a control point at Pile 1 adjacent to Fred Devine Diving & Salvage. AECOM collected a GPS coordinate at a control point adjacent to the parking lot for the Swan Island Boat Ramp for GPS quality control.Gravity provided a vessel orientation to CDM Smith personnel (AECOM and Geosyntec previously received vessel orientation on 3/29/18). The vessel orientation described pinch points, trip hazards, onboarding/offboarding, hydraulic grab sampling equipment and procedures, restroom facilities and operation, person overboard procedures, and safety equipment. Location of safety equipment verified, including first aid kits (2 on board), eye wash kits, fire extinguisher, AED, and spill response materials.A comprehensive tailgate safety meeting was led by AECOM. All topics from the AECOM job hazards analysis (JHA) for surface sediment sampling were covered and discussed, and Gravity and CDM Smith added input as needed during the discussion. There was additional discussion on emergency procedures, general boat operations, and sampling and decontamination procedures.3-point composite surface sediment samples were collected from four random stratified sampling locations near River Mile (RM) 2 East. Samples are collected at SG-B003, SG-B004, SG-B004, and SG-B007. <p>Research Vessel Cayuse</p> <p>Andy Greazel conducted oversight of surface sediment sampling from 07:30 to 14:00.</p> <ul style="list-style-type: none">Collected surface sediment sample SG-B001-BL1 from approximately RM 2W. Nine power grab samples were collected. A couple of the power grab attempts resulted in a large rock getting stuck in the jaws, therefore, sediment was not retained in the sampler. A couple of the power grab samples had insufficient material for sampling (i.e. less than 10 cm of sediment). Overall, power grab sampling was successful and an aliquot was collected from 3 points at the station.Sample aliquots were homogenized and the sample placed in jars. The field forms were completed and the sediment lithology was recorded.	
Status of Schedule & Priority Work: <ul style="list-style-type: none">Four surface sediment locations were completed by the Tieton crew. On the Cayuse, one sediment sample was collected during the period that CDM Smith provided oversight and additional sampling was completed in the afternoon. Surface sediment sampling will continue over the weekend at random stratified sampling locations near the downstream end of the Portland Harbor Superfund Site.	
Issues/Concerns/Resolutions (include work performed that was not planned or anticipated): <p>None; the work was conducted in accordance with the field sampling plan (FSP) for surface sediment.</p>	
Samples Collected, Measurements Made, Photographs: (List Locations, Matrix & Sample type): <p>Stratified random surface composite sediment samples collected at following locations:</p> <ul style="list-style-type: none">SG-B003SG-B004SG-B005SG-B007SG-B001-BL1	

Photographs of work were taken through the day and provide via email to EPA. All of the photographs taken and a description of photographs are included on the photograph archive and photolog Excel spreadsheet, that are maintained electronically in the Projectwise project folder.

Borings Completed (Include total footage drilled for each boring):

None

Wastes Generated and How Handled:

Excess sediment in the grab sampler and in the sampling bowls is rinsed back into the river per the FSP. Non-aqueous-phase liquid (NAPL) waste was not encountered.

Health and Safety Issues, Equipment Needs, Staffing:

A few reminders or corrections were made on the Tieton for health and safety per the Programmatic HASP and HASP Addendum (e.g., ensuring nitrile gloves are worn below permeable work gloves, requesting that the boat be reoriented to make sure decontamination/rinsing spray is blown away from the boat instead of onto the deck).

Need to bring extra sunscreen on future trips.

Signature: Jason Silvertooth; Andy Greazel

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